

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	632274	hydroformylation process.clm.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/09/25 07:45
L2	34792	olefin.clm.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/09/25 07:45
L3	17653	L1 and L2	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/09/25 07:49
L4	2212511	removal of heat.clm.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/09/25 07:49
L5	17653	L2 and L3	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/09/25 07:49
L6	8799524	without the removal of material component. clm.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/09/25 07:50
L7	17266	L5 and L6	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/09/25 07:51
L8	772221	hydroformylation of olefins.clm.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/09/25 07:51
L9	17266	L7 and L8	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/09/25 07:51
L10	2668054	heat transfer.clm.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/09/25 07:52
L11	9725	L9 and L10	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/09/25 07:52
L12	1619421	reaction zone.clm.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/09/25 07:52

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L13	8691	L11 and L12	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/09/25 07:53
L14	72638	hear exchanger.clm.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/09/25 07:53
L15	310	L13 and L14	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/09/25 07:53

US 5936130 A	USPAT	19990810	19	Process for preparing a rhodium complex solution and process for producing an aldehyde	568/454
502/24; 568/451					
US 4945185 A	USPAT	19900731		Process for producing mixtures of ketones and aldehydes	568/387; 568/451; 568/454
US 4678857 A	USPAT	19870707		Process for separation of product resulting from hydroformylation	568/454; 568/449; 568/482; 568/492; 568/909
US 4602088 A	USPAT	19860722		Preparation of enamines from conjugated dienes	544/178; 544/404; 564/408; 564/445; 564/467
US 4533742 A	USPAT	19850806		Preparation of 2-hydroxytetrahydrofuran by hydroformylation of allyl alcohol using ketone solvents	549/475
US 4529808 A	USPAT	19850716		Bi-solvent system for the hydroformylation of allyl alcohol using a rhodium catalyst	549/475
US 4528404 A	USPAT	19850709		High temperature hydroformylation in the presence of triarylphosphine rhodium carbonyl hydride complex catalyst systems	568/454; 568/429; 568/444; 568/909
US 4484006 A	USPAT	19841120	5	Synthesis of 2-methylbutanal	568/454; 568/909
US 4400549 A	USPAT	19830823		Hydroformylation of olefinically unsaturated compounds	568/454; 562/521; 562/522; 568/909
EP 147824 A	DERWENT	19850710		Rhodium sepn. and recovery from Oxo synthesis prod. by complex format - by complex formation pref. with tri:aryl phosphine tri:sulphonate and/or carboxylate	
EP 53688 A	DERWENT	19820616		Hydroformylation of olefinic cpds. - using rhodium tri:phenyl phosphine carbonyl complex formed in situ in start phase to elimina	
US 6727391 B2	USPAT	20040427	6	Method for processing a liquid hydroformylation discharge	568/410
568/438; 568/492					
US 6049011 A	USPAT	20000411		Hydroformylation process	568/451; 560/233; 560/247; 568/454; 568/878; 568/882; 568/883
US 5945549 A	USPAT	19990831		Production of aqueous solutions of mixtures of formylteretrahydrofuran and hydrates thereof	549/483; 549/502
US 5138101 A	USPAT	19920811		Recovery of high-boiling aldehydes from rhodium-catalyzed hydroformylation processes	568/492; 568/454
US 5087763 A	USPAT	19920211		Hydroformylation process	568/492; 568/451; 568/454
US 5041684 A	USPAT	19910820	4	Hydroformylation	568/454; 568/451
US 4808757 A	USPAT	19890228		Process for the preparation of aldehydes	568/454; 568/458

US 4533757 A	USPAT	19850806	Continuous
hydroformylation of olefinically unsaturated compounds			568/454
568/909			
DE 3301591 A	DERWENT	19840719	Continuous olefin
hydroformylation - with product recovery in short-residence degassing column			
te induction period			
0	US 6727391 B2	USPAT	20040427 6
Method for processing a liquid hydroformylation discharge			568/410
568/438; 568/492			
0	DE 10006489 A	DERWENT	20010816 Processing a
liquid discharge from a continuous hydroformylation process comprises using two			
depressurization steps to effect separation into liquid and gas phases			
US 6822122 B2	USPAT	20041123 9	Method for the
hydroformylation of olefins comprising 2 to 8 carbons atoms			568/451
568/454			
WO 200200582 A	DERWENT	20020103	Hydroformylation of
2-8C olefins comprises reaction of an olefin, hydrogen, carbon monoxide and a catalyst			
with removal of unreacted olefin by means of a wash liquid			